

FIG. 1A

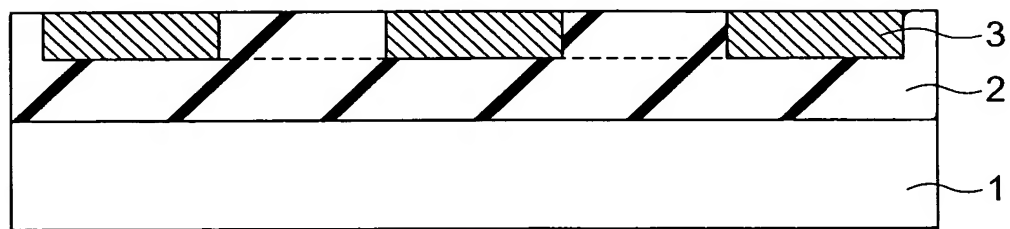


FIG. 1B

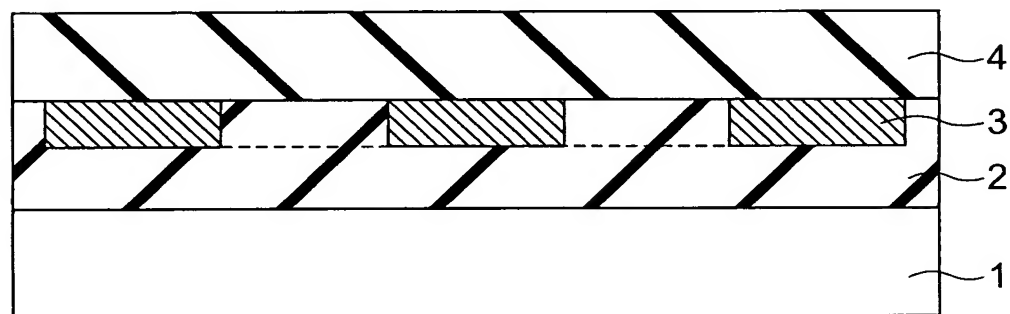


FIG. 1C

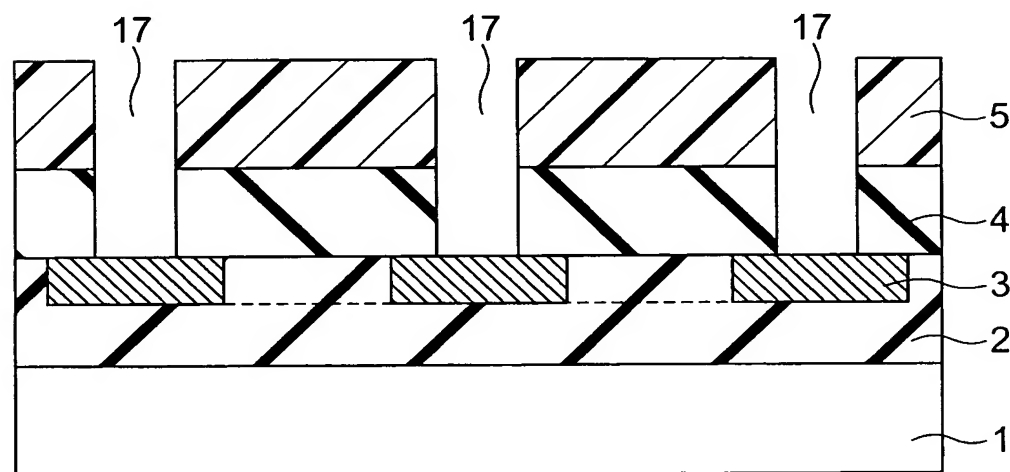
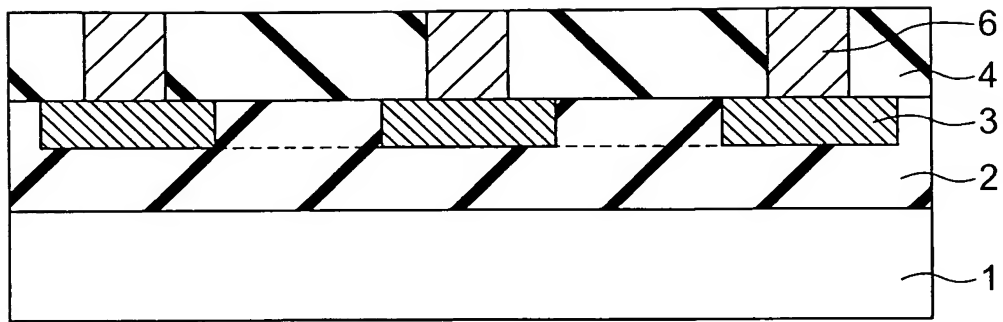
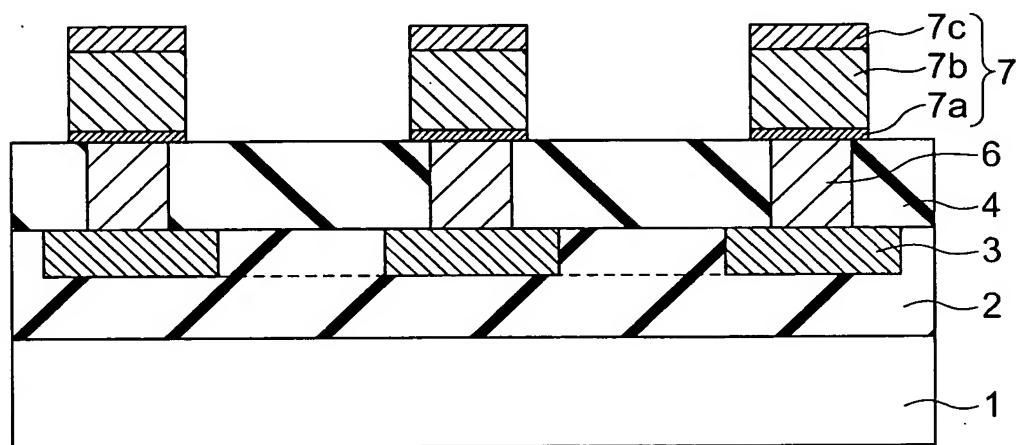


FIG. 1D



**FIG. 2A**



**FIG. 2B**

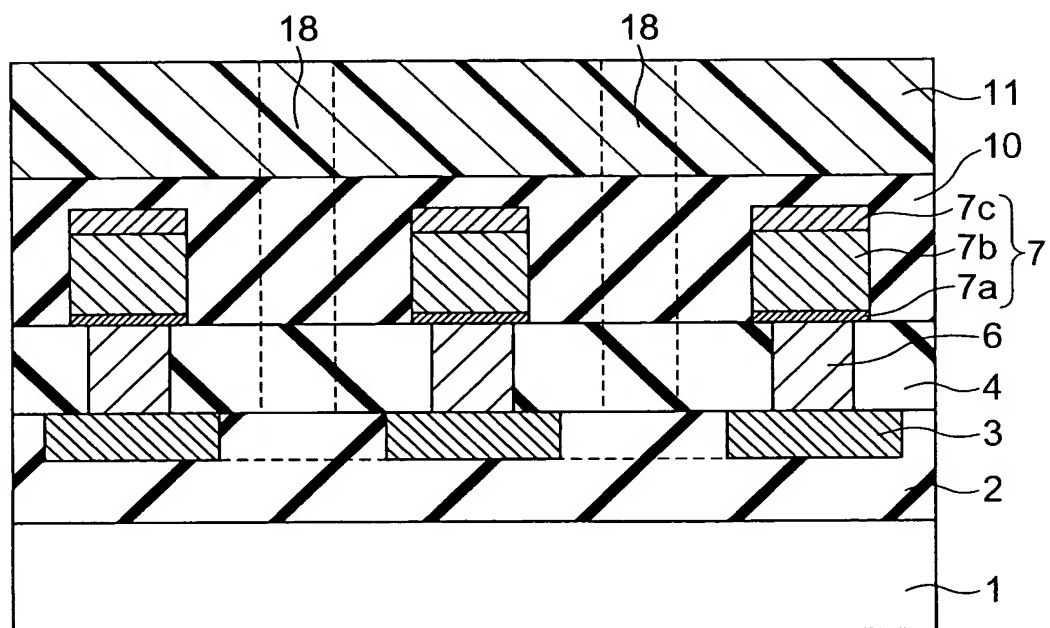


FIG. 2C

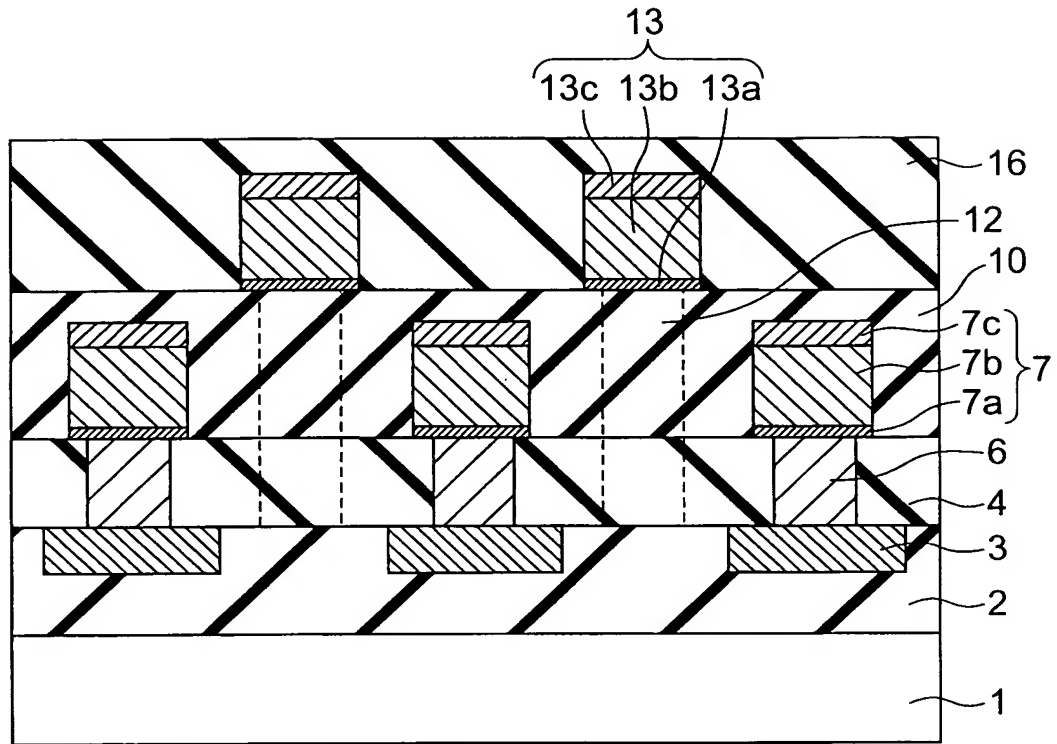


FIG. 3

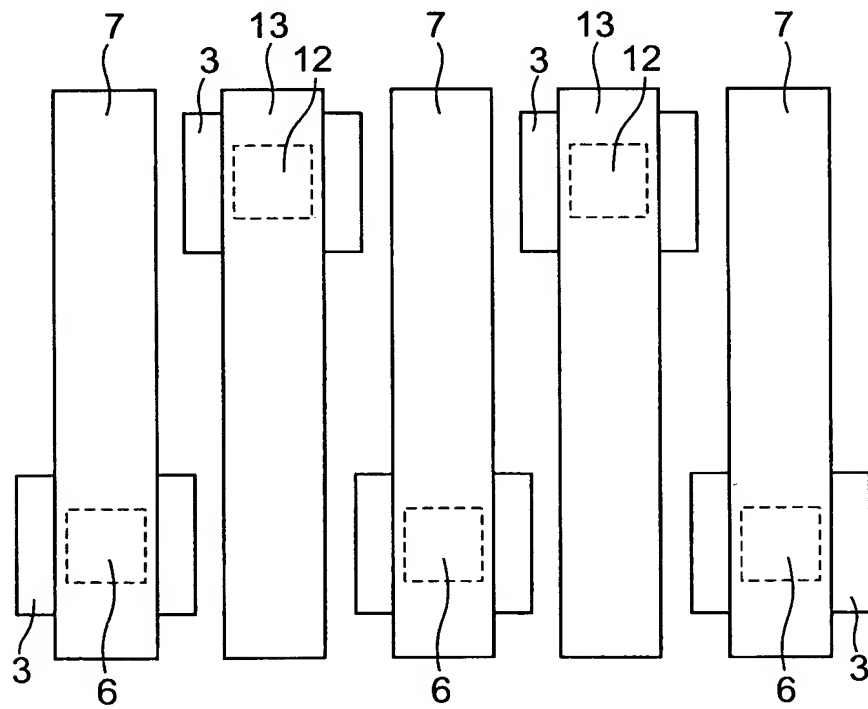


FIG. 4

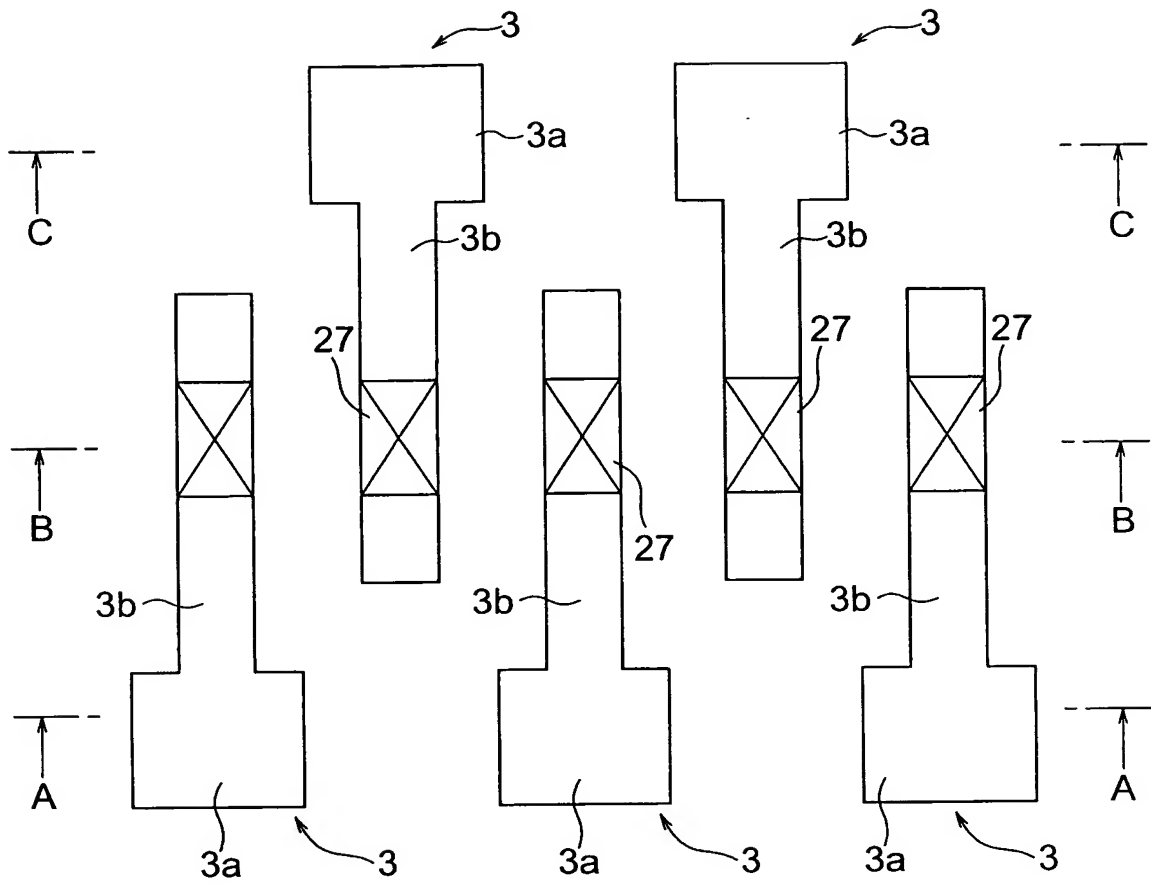
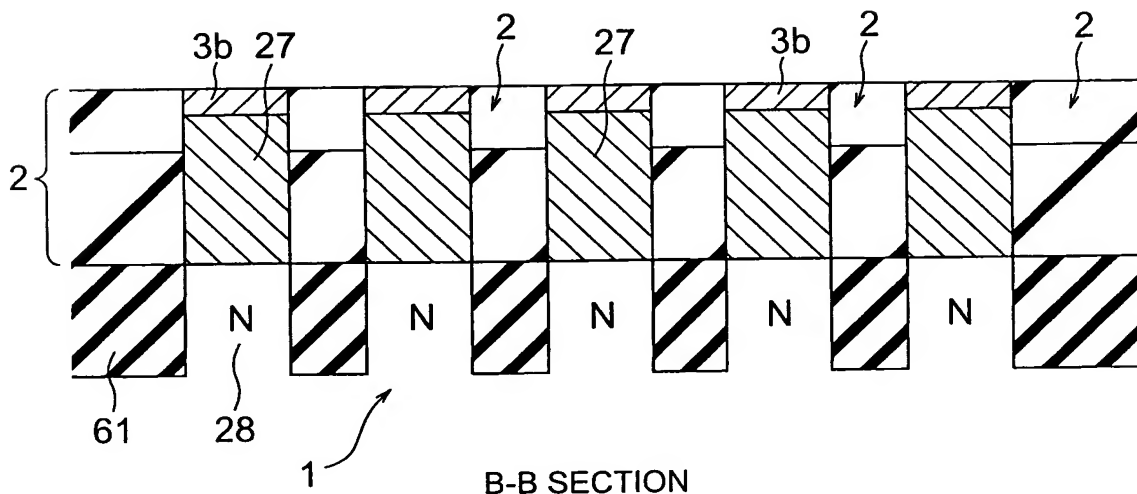


FIG. 5



B-B SECTION

FIG. 6

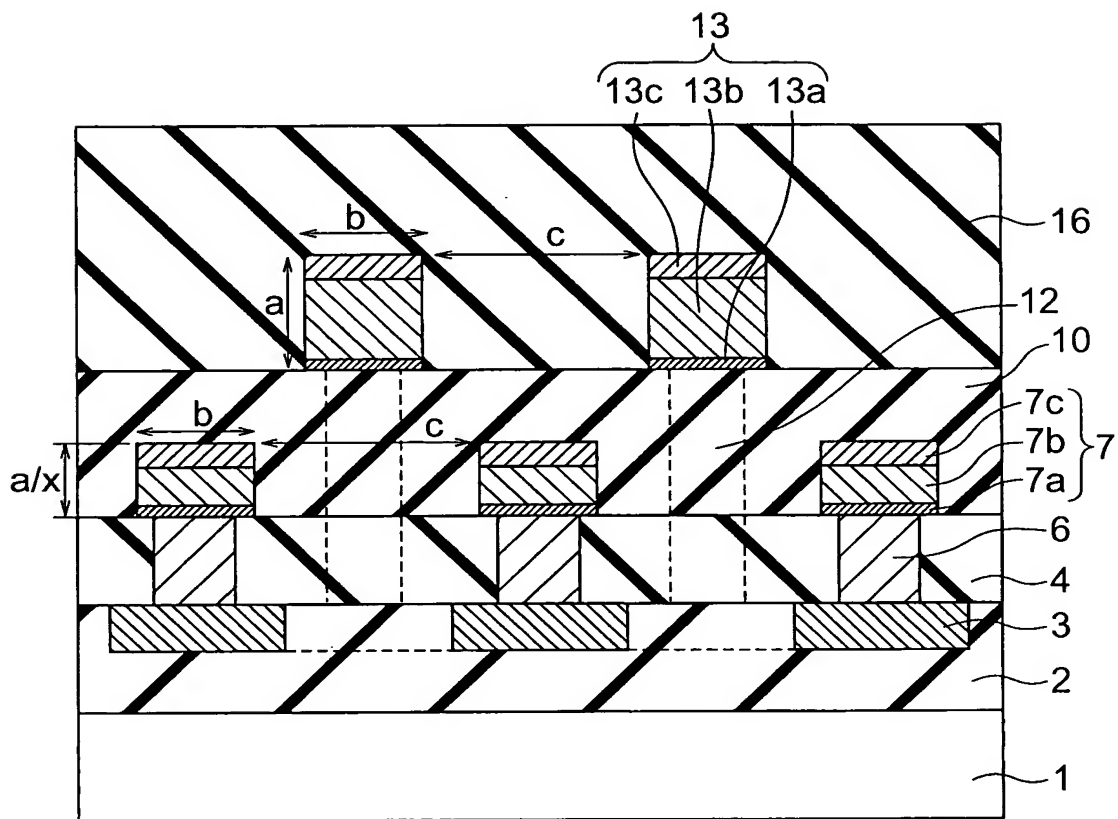


FIG. 7

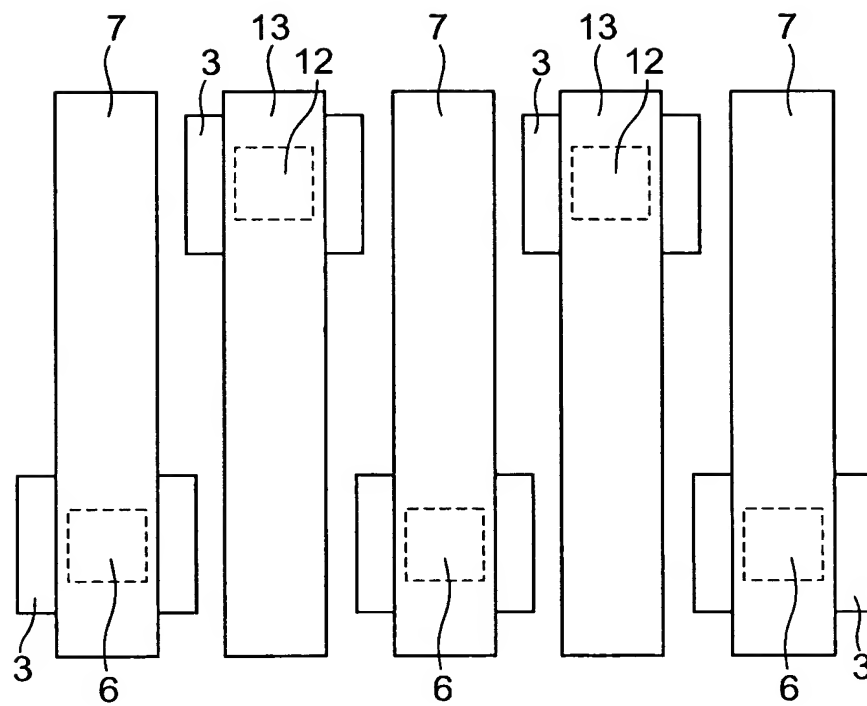


FIG. 8

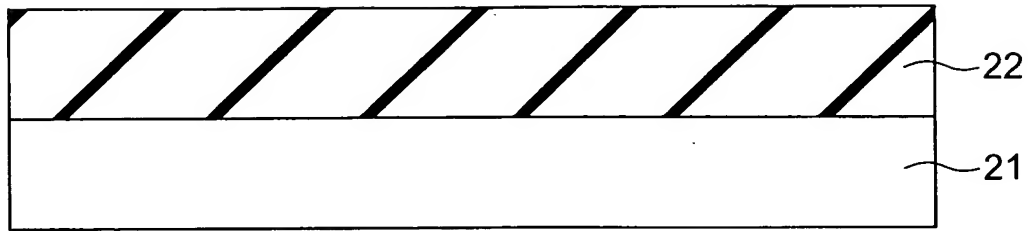


FIG. 9A PRIOR ART

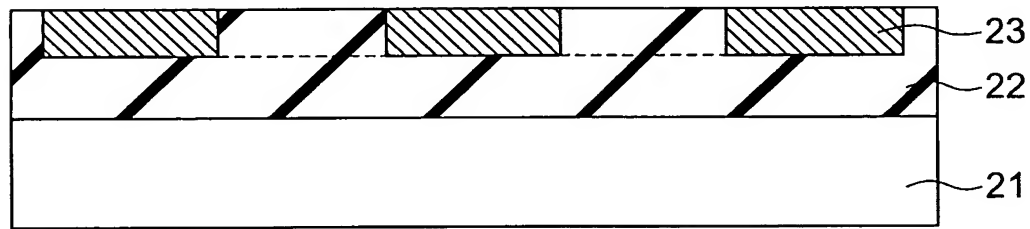


FIG. 9B PRIOR ART

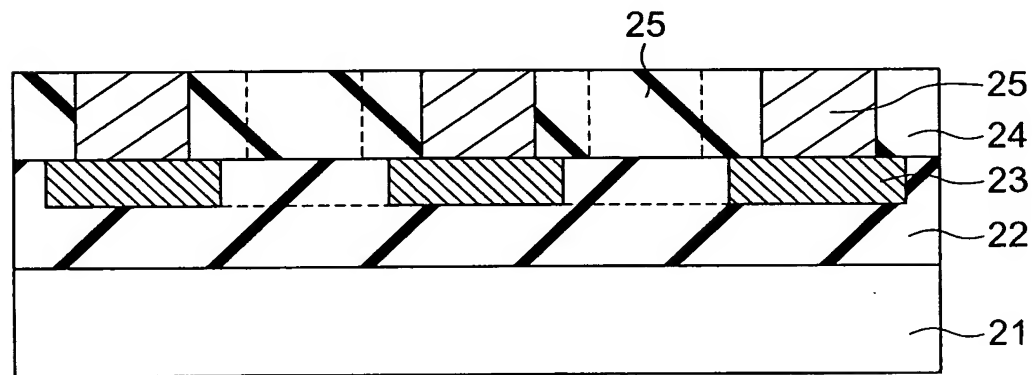


FIG. 9C PRIOR ART

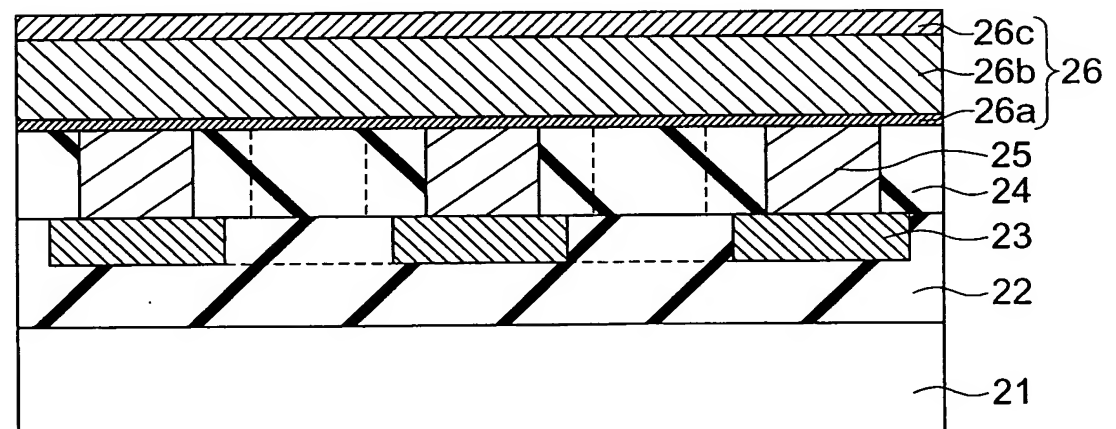


FIG. 9D PRIOR ART

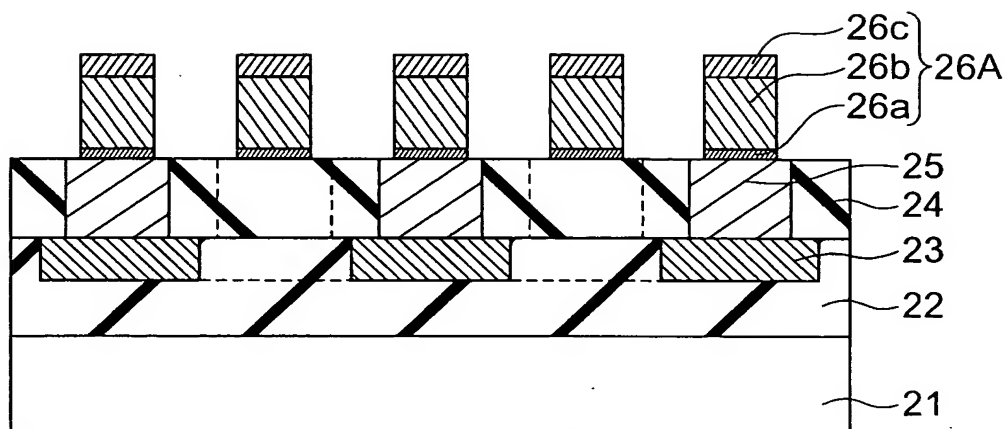


FIG. 10A PRIOR ART

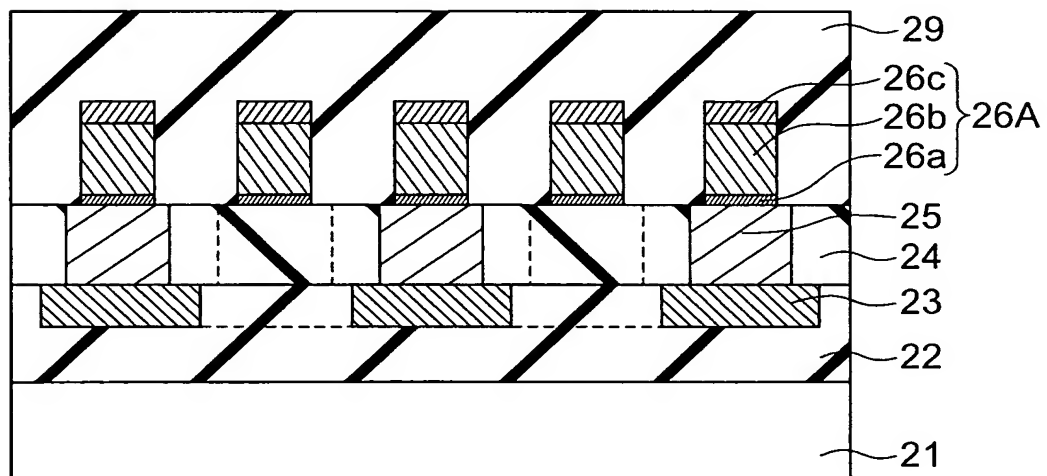


FIG. 10B PRIOR ART



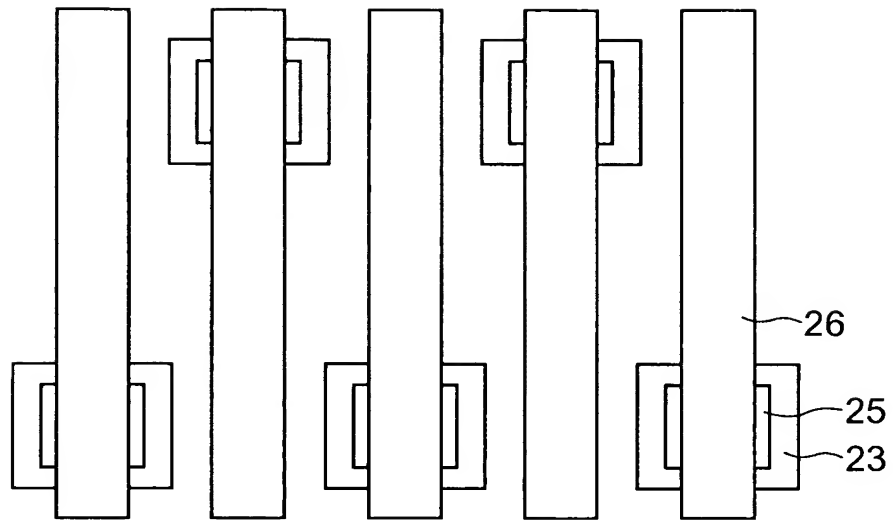


FIG. 11 PRIOR ART

## ELECTROMIGRATION CHARACTERISTICS OF WIRING

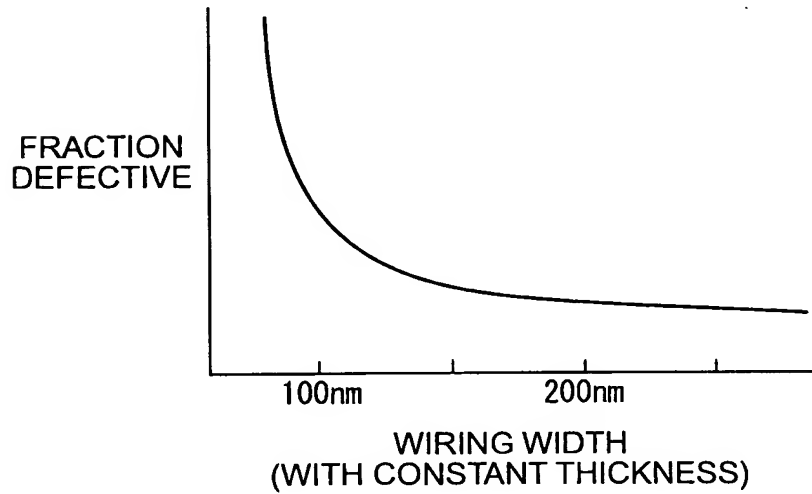


FIG. 12

TIME CONSTANT OF WIRING:  $\tau = C \text{ (WIRING CAPACITANCE)} \times R \text{ (WIRING RESISTANCE)}$

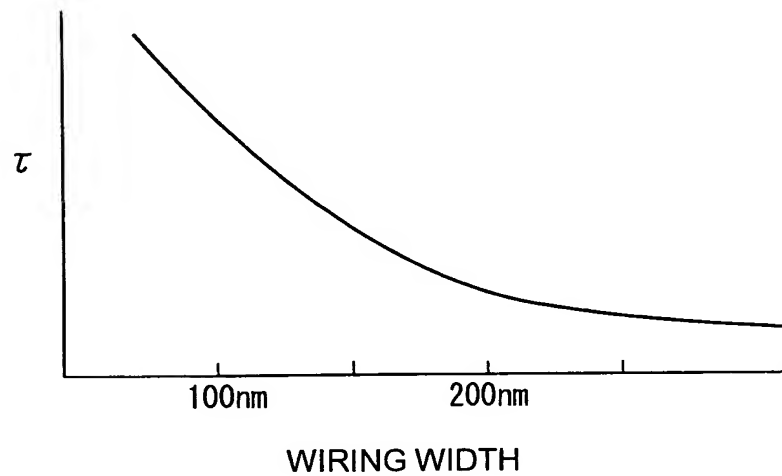


FIG. 13

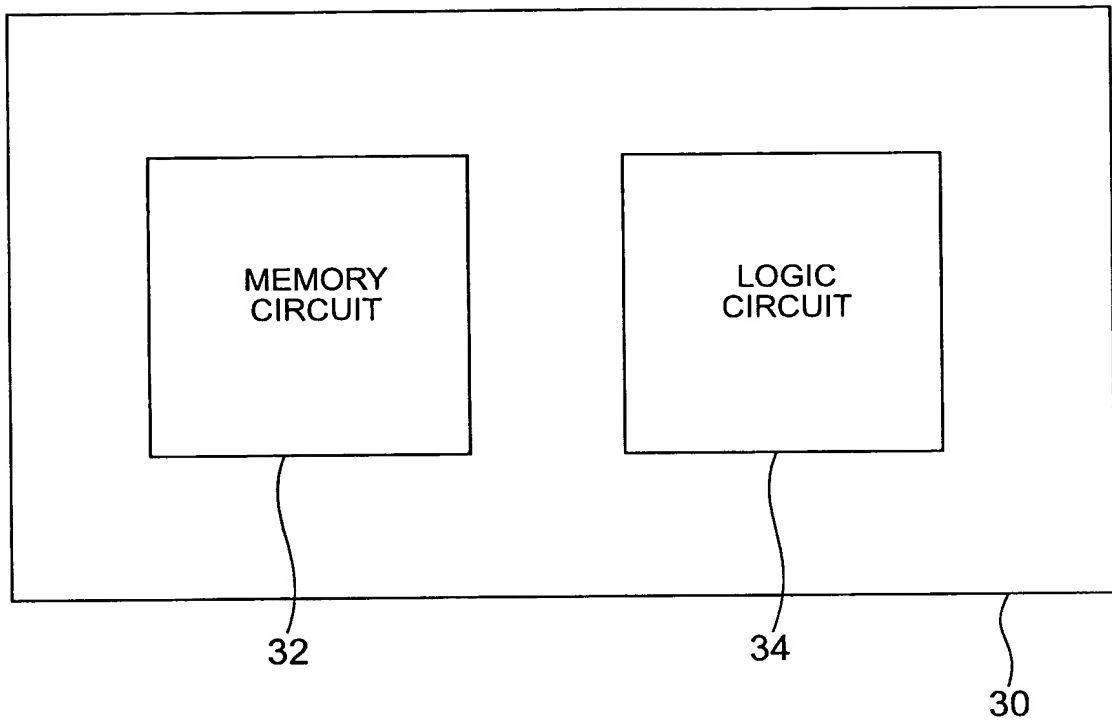


FIG. 14

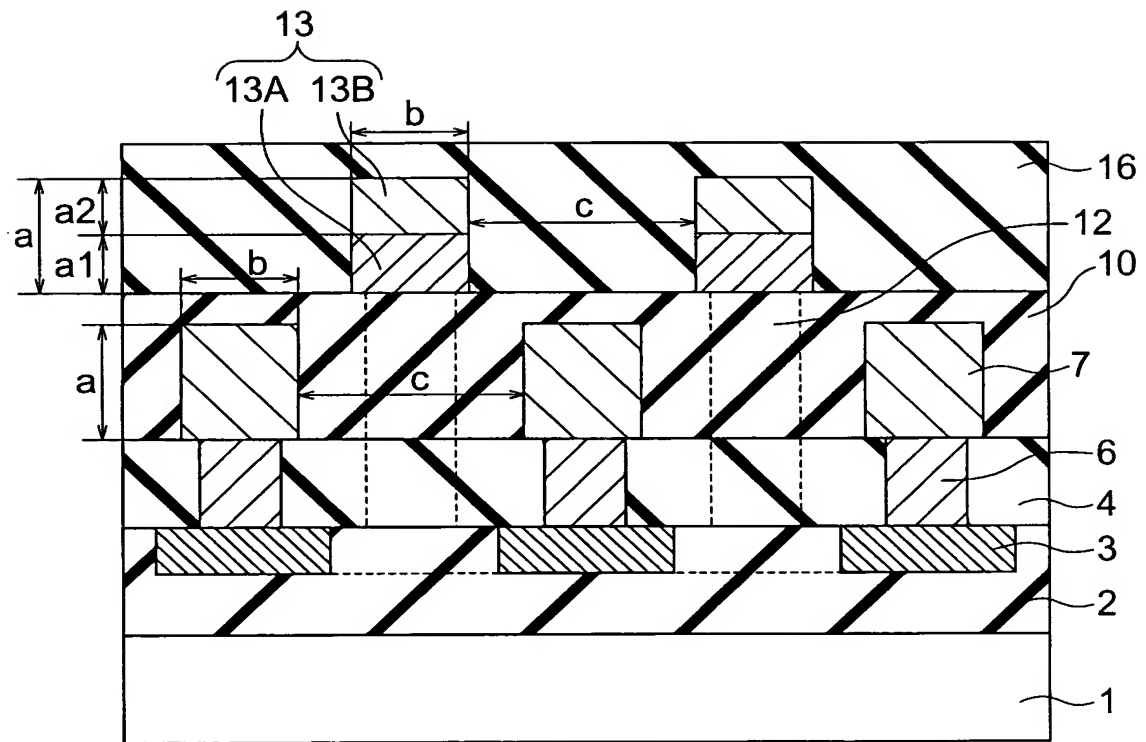


FIG. 15

